What is claimed is:

1. A heat exchanger comprising:

a header pipe including a fluid circulation hole inside thereof;

an inlet manifold including an inlet hole inside thereof;

an outlet manifold including an outlet hole inside thereof;

a first coupling member including a first coupling hole inside thereof, one end of the first coupling member being connected to one end of the header pipe and the other end of the first coupling member being connected to the inlet manifold; and

a second coupling member including a second coupling hole inside thereof, one end of the second coupling member being connected to the other end of the header pipe and the other end of second coupling member being connected to the outlet manifold,

wherein in the first coupling member, one end of the first coupling hole is opened to one end of the fluid circulation hole and the other end of the first coupling hole is opened to the inlet hole, and

in the second coupling member, one end of the second coupling hole is opened to the other end of the fluid circulation hole and the other end of the second coupling hole is opened to the outlet hole.

2. The heat exchanger according to claim 1,

wherein a first pipe side connection hole for housing the one end of the first coupling member is formed on the one end of the header pipe, and

a second pipe side connection hole for housing the one end of the second coupling member is formed on the other end of the header pipe

3. The heat exchanger according to claim 1,

wherein a first manifold side connection hole for housing the other end of the first coupling member is formed on a side surface of the inlet manifold, and

a second manifold side connection hole for housing the other end of the second coupling member is formed on a side surface of the outlet manifold.

4. The heat exchanger according to claim 1,

wherein the first coupling member includes a plurality of the first coupling holes, and

the second coupling member includes a plurality of the second coupling holes.

5. The heat exchanger according to claim 4,

wherein the plurality of first coupling holes have different diameters from each other.

6. The heat exchanger according to claim 4,

wherein all the plurality of first coupling holes have identical diameters.

7. The heat exchanger according to claim 4,

wherein the plurality of second coupling holes have different diameters from each other.

8. The heat exchanger according to claim 4,

wherein all the plurality of second coupling holes have identical diameters.

9. The heat exchanger according to claim 4,

wherein the header pipe includes a plurality of the fluid circulation holes.

10. The heat exchanger according to claim 9,

wherein the first coupling member is a single member including the plurality of first coupling holes opened to respective one ends of the plurality of fluid circulation holes.

11. The heat exchanger according to claim 9,

wherein the second coupling member is a single member including the plurality of second coupling holes opened to respective other ends of the plurality of fluid circulation holes.

12. The heat exchanger according to claim 9,

wherein the first coupling members are prepared in the number equivalent to the number of the fluid circulation holes, and

each of the first coupling members includes the first coupling hole opened to one end of each of the fluid circulation holes.

13. The heat exchanger according to claim 9,

wherein the second coupling members are prepared in the number

equivalent to the number of the fluid circulation holes, and

each of the second coupling members includes the second coupling hole opened to the other end of each of the fluid circulation holes.